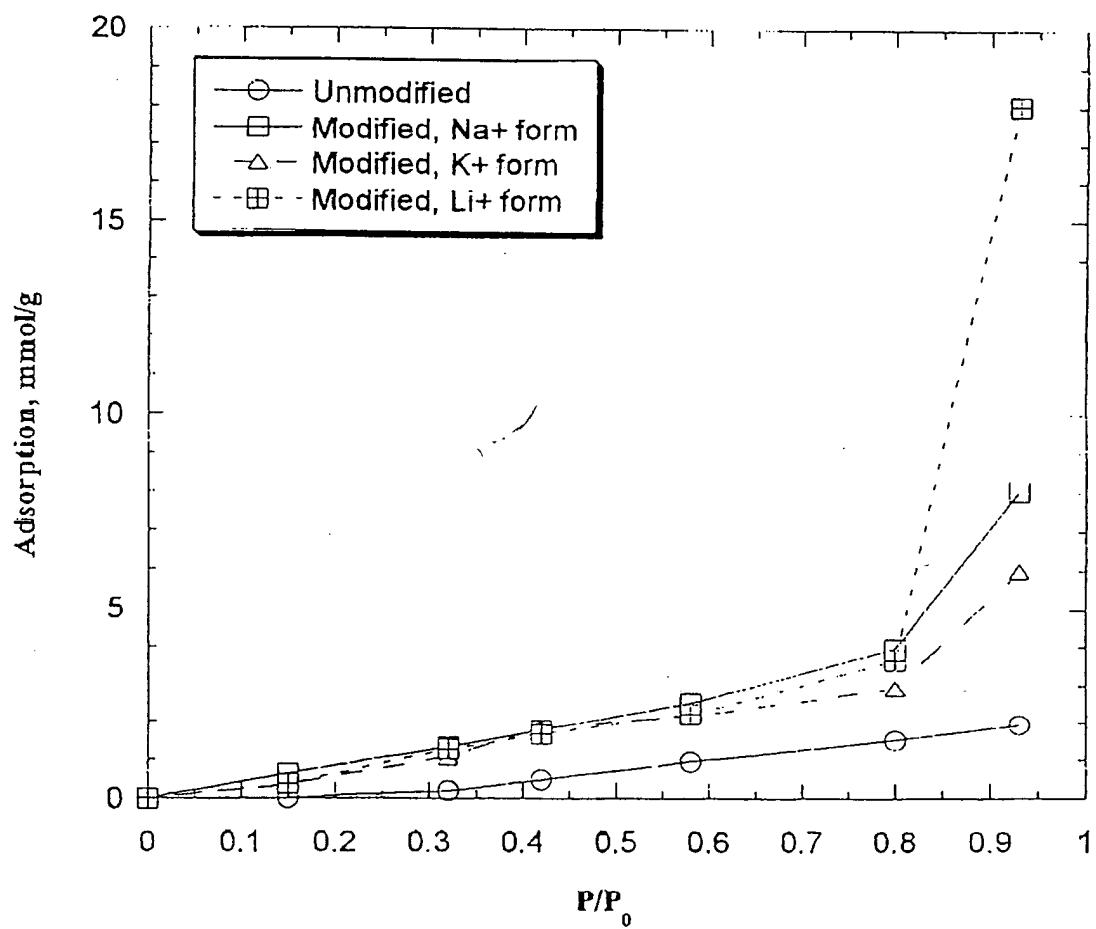
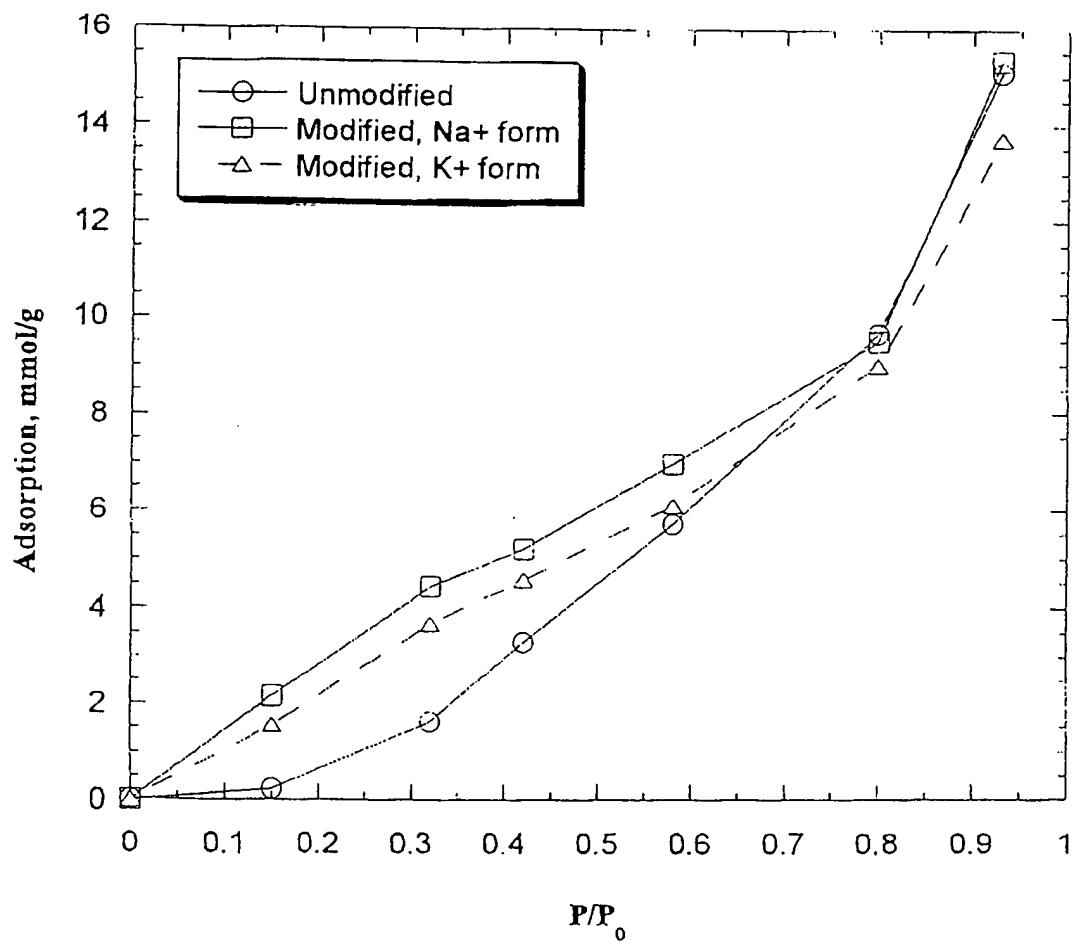


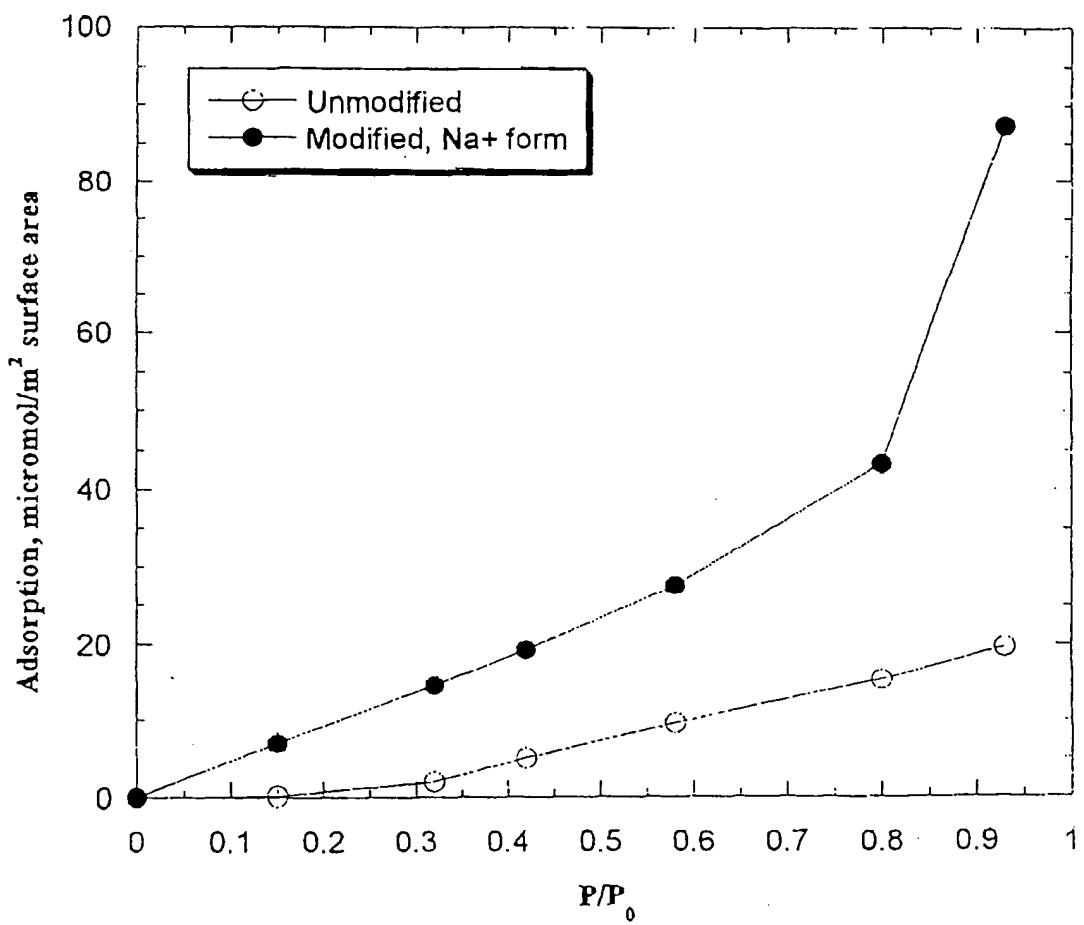
**Figure 1: Water vapor adsorption on unmodified Black Pearls 430 carbon black and on various ionic forms of modified material**



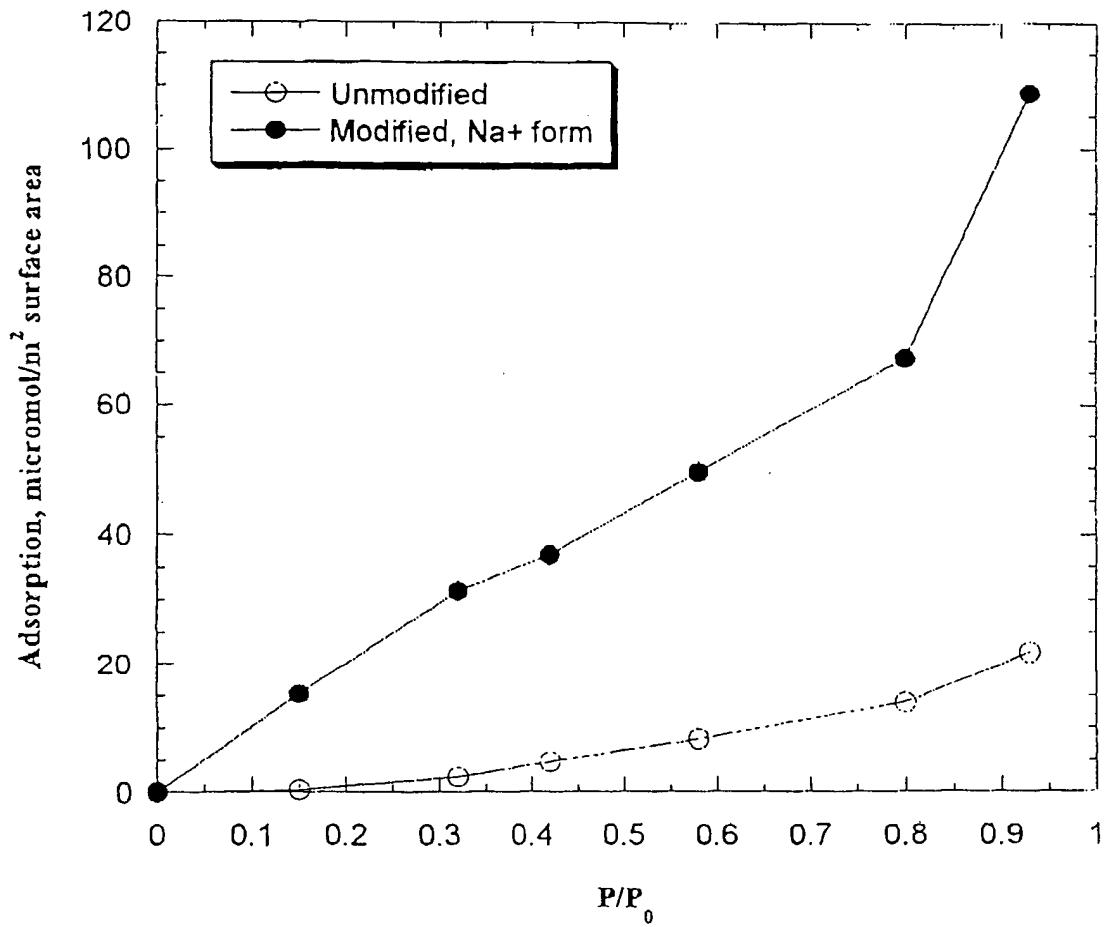
**Figure 2: Water vapor adsorption on unmodified Darco S51 activated carbon and on modified ionic forms**



**Figure 3: Water vapor adsorption per unit surface area for unmodified and modified Black Pearls 430 carbon black**



**Figure 4: Water vapor adsorption per unit surface area for unmodified and modified Darco S51 activated carbon**



**Figure 5: Adsorption of CO<sub>2</sub> at 273 K on unmodified and modified Black Pearls 430 carbon black**

